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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	May 12	EXTEND option available in structure searching
NEWS 4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 6	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS 7	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
NEWS 8	Jun 28	ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
NEWS 9	Jul 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS 10	Jul 30	BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
NEWS 11	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS 12	AUG 02	CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS 13	AUG 02	STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
NEWS 14	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS 15	AUG 04	Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004
NEWS 16	AUG 27	BIOCOMMERCE: Changes and enhancements to content coverage
NEWS 17	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
NEWS 18	SEP 01	INPADOC: New family current-awareness alert (SDI) available
NEWS 19	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS 20	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX

NEWS EXPRESS	JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 07:07:37 ON 08 SEP 2004

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'CAPLUS' ENTERED AT 07:08:32 ON 08 SEP 2004
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FILE COVERS 1907 - 8 Sep 2004 VOL 141 ISS 11
FILE LAST UPDATED: 7 Sep 2004 (20040907/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s US20020142995/pn
L1 1 US20020142995/PN
(US2002142995/PN)

=> d

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:107125 CAPLUS
DN 136:161364
TI Ammonium salts of hemoglobin allosteric effectors, and uses thereof
IN Nicolau, Yves Claude; Lazarte, Jaime E.; Alford, Dennis R.
PA GMP Companies, Inc., USA
SO PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002009723	A2	20020207	WO 2001-US24514	20010801
	WO 2002009723	A3	20030717		
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2002142995	A1	20021003	US 2001-920310	20010801 <--
PRAI	US 2000-222066P	P	20000801		

OS MARPAT 136:161364

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ENTER DISPLAY CODE (TI) OR ?:rn
E1 THROUGH E11 ASSIGNED

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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
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FULL ESTIMATED COST                                      3.40       3.82

FILE 'REGISTRY' ENTERED AT 07:09:01 ON 08 SEP 2004
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STRUCTURE FILE UPDATES:     6 SEP 2004  HIGHEST RN 740796-45-6
DICTIONARY FILE UPDATES:    6 SEP 2004  HIGHEST RN 740796-45-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> s e1-e11
             1 10102-43-9/BI
               (10102-43-9/RN)
             1 102783-81-3/BI
               (102783-81-3/RN)
             1 108-91-8/BI
               (108-91-8/RN)
             1 138-81-8/BI
               (138-81-8/RN)
             1 396077-50-2/BI
               (396077-50-2/RN)
             1 473-81-4/BI
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             1 57-12-5/BI
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             1 630-08-0/BI
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L2          11 (10102-43-9/BI OR 102783-81-3/BI OR 108-91-8/BI OR 138-81-8/BI
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OR 396077-50-2/BI OR 473-81-4/BI OR 57-12-5/BI OR 630-08-0/BI
OR 7782-44-7/BI OR 83-86-3/BI OR 87-89-8/BI)

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L2 ANSWER 1 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN
RN **396077-50-2** REGISTRY
CN myo-Inositol, hexakis(dihydrogen phosphate), compd. with cyclohexanamine (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C6 H18 O24 P6 . x C6 H13 N
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

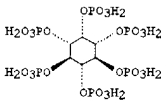
CM 1

CRN 108-91-8
CMF C6 H13 N

CM 2

CRN 83-86-3
CMF C6 H18 O24 P6

Relative stereochemistry.



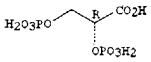
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN
RN **102703-81-3** REGISTRY
CN Propanoic acid, 2,3-bis(phosphonooxy)-, (2R)-, compd. with cyclohexanamine (1:5) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Propanoic acid, 2,3-bis(phosphonooxy)-, (R)-, compd. with cyclohexanamine (1:5)
FS STEREOSEARCH
MF C6 H13 N . 1/5 C3 H8 O10 P2
SR CAS Client Services
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

CRN 14438-19-8
CMF C3 H8 O10 P2

Absolute stereochemistry.



CM 2

CRN 108-91-8
CMF C6 H13 N

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN
RN **10102-43-9** REGISTRY
CN Nitrogen oxide (NO) (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 43: PN: WO2004056314 SEQID: 64 claimed sequence
CN Amidogen, oxo-
CN INOmax
CN Nitric oxide
CN Nitric oxide (NO)
CN Nitric oxide trimer
CN Nitrogen monooxide
CN Nitrogen monoxide
CN Nitrogen oxide (N4O4)
CN Nitrogen(II) oxide
CN Nitrosyl radical
CN OHM 11771
DR 53851-19-7, 51005-20-0, 51005-21-1, 90452-29-2
MF N O
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Preprint; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); USES (Uses)
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81778 REFERENCES IN FILE CA (1907 TO DATE)
469 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
81961 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 4 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN
RN **7782-44-7** REGISTRY
CN Oxygen (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Dioxygen
CN Molecular oxygen
CN Oxygen molecule
FS 3D CONCORD
DR 1338-93-8, 14797-70-7, 80217-98-7, 80937-33-3
MF O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, PS, RTECS*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Preprint; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
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348391 REFERENCES IN FILE CA (1907 TO DATE)
27767 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
348816 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 5 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN
RN **630-08-0** REGISTRY
CN Carbon monoxide (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Carbon monooxide
CN Carbon oxide (CO)
FS 3D CONCORD
DR 724693-69-0, 167416-30-0, 162342-48-5, 18421-60-8, 153929-54-5, 155399-52-3, 82063-46-5, 192819-80-0
MF C O
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, PS, RTECS*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Preprint; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
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128826 REFERENCES IN FILE CA (1907 TO DATE)
673 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
129017 REFERENCES IN FILE CAPLUS (1907 TO DATE)
9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 6 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN
RN **473-81-4** REGISTRY
CN Propanoic acid, 2,3-dihydroxy- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Glyceric acid (8CI)
OTHER NAMES:
CN (±)-Glyceric acid
CN α,β-Hydroxypropionic acid
CN β-Hydroxylactic acid
CN 2,3-Dihydroxypropanoic acid
CN 2,3-Dihydroxypropionic acid
CN DL-Glyceric acid
CN Glycerolic acid
CN Glyceronic acid
CN NSC 9227
FS 3D CONCORD
DR 600-19-1
MF C3 H6 O4
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, TOXCENTER, USPAT2, USPATFULL
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DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
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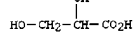

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1296 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 7 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN
RN **138-81-8** REGISTRY
CN Propanoic acid, 2,3-bis(phosphonooxy)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Glyceric acid, bis(dihydrogen phosphate) (8CI)
CN Glyceric acid, diphosphate (6CI)
OTHER NAMES:
CN 2,3-Bisphosphoglyceric acid
CN 2,3-Diphosphoglyceric acid
CN 2,3-DPG
CN Diphosphoglyceric acid
CN DPG
CN Glycerate 2,3-diphosphate
FS 3D CONCORD
MF C3 H8 O10 P2
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CIN, EMBASE, IFICDB, IFIPAT, IFIUDB, MEDLINE, NIOSHTIC, PROMT, TOXCENTER, USPAT2, USPATFULL
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DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
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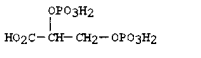

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58 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 8 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN
RN **108-91-8** REGISTRY
CN Cyclohexanamine (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Cyclohexylamine (6CI, 8CI)
OTHER NAMES:
CN 1-Aminocyclohexane
CN 1-Cyclohexylamine
CN Aminocyclohexane
CN Aminohexahydrobenzene
CN Benzenamine, hexahydro-
CN Hexahydroaniline
CN Monocyclohexylamine
FS 3D CONCORD
DR 143247-75-0, 157973-60-9
MF C6 H13 N
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9615 REFERENCES IN FILE CA (1907 TO DATE)
469 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
9641 REFERENCES IN FILE CAPLUS (1907 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 8 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN (Continued)

L2 ANSWER 9 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN
RN **87-89-8** REGISTRY
CN myo-Inositol (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Inositol, myo- (8CI)
OTHER NAMES:
CN Bios I
CN cis-1,2,3,5-trans-4,6-Cyclohexanehexol
CN Cyclohexanehexol
CN Cyclohexitol
CN Dambose
CN i-Inositol
CN Inosital
CN Inosite
CN Inositene
CN Inositina
CN Inositol
CN iso-Inositol
CN Iso-inositol
CN Meat sugar
CN meso-Inositol
CN Mesoinosit
CN Mesoinosite
CN Mesoinositol
CN Mesol
CN Mesovit
CN MI
CN Mouse antialopecia factor
CN Myoinosite
CN Myoinositol
CN Nucite
CN Phaseomannite
CN Phaseomannitol
CN Rat antispectacled eye factor
CN Scyllite
FS STEREOSEARCH
DR 53319-35-0
MF C6 H12 O6
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, PS, RTECS*, SPECINFO, TOXCENTER, TULSA, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Preprint; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
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L2 ANSWER 9 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN (Continued)
(Uses)
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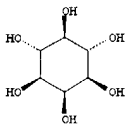
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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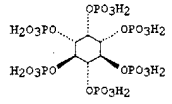
503 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
8036 REFERENCES IN FILE CAPLUS (1907 TO DATE)
9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 10 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN
RN **83-86-3** REGISTRY
CN myo-Inositol, hexakis(dihydrogen phosphate) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Inositol, hexakis(dihydrogen phosphate), myo- (8CI)
OTHER NAMES:
CN Alkalovert
CN D-myo-Inositol-1,2,3,4,5,6-hexaphosphate
CN Fytic acid
CN Inositol 1,2,3,4,5,6-hexakisphosphate
CN Inositol hexakis(phosphate)
CN Inositol hexaphosphate
CN IP6
CN meso-Inositol hexaphosphate
CN myo-Inositol hexakis(phosphate)
CN myo-Inositol hexaphosphate
CN Phytic acid
FS STEREOSEARCH
DR 50762-79-3, 78039-41-5
MF C6 H18 O24 P6
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PHAR, PIRA, PROMT, RTECS*, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 10 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN (Continued)

5436 REFERENCES IN FILE CA (1907 TO DATE)
243 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5453 REFERENCES IN FILE CAPLUS (1907 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 11 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN
RN **57-12-5** REGISTRY
CN Cyanide (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Carbon nitride ion (CN1-)
CN Cyanide (CN1-)
CN Cyanide anion
CN Cyanide ion
CN Cyanide ion (CN(1-))
CN Cyanide ion(1-)
CN Cyanide(1-)
CN Cyanide(1-) ion
CN Hydrocyanic acid, ion(1-)
CN Isocyanide
CN Nitrile anion
FS 3D CONCORD
DR 373-51-3
MF C N
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent; Preprint; Report
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

9799 REFERENCES IN FILE CA (1907 TO DATE)
322 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
9810 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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=> s l2 and caplus/lc
      38657149 CAPLUS/LC
L3           11 L2 AND CAPLUS/LC

=> fil caplus
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      24.32      28.14

FILE 'CAPLUS' ENTERED AT 07:09:54 ON 08 SEP 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 8 Sep 2004  VOL 141 ISS 11
FILE LAST UPDATED: 7 Sep 2004  (20040907/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> s l3
L4       560127 L3

=> fil caplus
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FULL ESTIMATED COST                                       0.44      28.58

FILE 'CAPLUS' ENTERED AT 07:10:06 ON 08 SEP 2004
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FILE COVERS 1907 - 8 Sep 2004  VOL 141 ISS 11
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FILE LAST UPDATED: 7 Sep 2004 (20040907/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

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L2   11 S E1-E11
L3   11 S L2 AND CAPLUS/LC

     FILE 'CAPLUS' ENTERED AT 07:09:54 ON 08 SEP 2004
L4   560127 S L3

     FILE 'CAPLUS' ENTERED AT 07:10:06 ON 08 SEP 2004

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YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

L2 ANSWER 1 OF 11 REGISTRY COPYRIGHT 2004 ACS on STN
RN **396077-50-2** REGISTRY
CN myo-Inositol, hexakis(dihydrogen phosphate), compd. with cyclohexanamine (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C6 H18 O24 P6 . x C6 H13 N
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

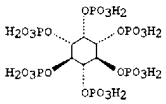
CM 1

CRN 108-91-8
CMF C6 H13 N

CM 2

CRN 83-86-3
CMF C6 H18 O24 P6

Relative stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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             1 396077-50-2
             0 396077-50-2D
L5           1 396077-50-2/RN
                 (396077-50-2 (NOTL) 396077-50-2D )

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FILE 'CAPLUS' ENTERED AT 07:12:58 ON 08 SEP 2004
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FILE COVERS 1907 - 8 Sep 2004  VOL 141 ISS 11
FILE LAST UPDATED: 7 Sep 2004  (20040907/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


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             0 396077-50-2D
L6           1 396077-50-2/RN
                 (396077-50-2 (NOTL) 396077-50-2D )

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L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:107125 CAPLUS
DOCUMENT NUMBER: 136:161364
TITLE: Ammonium salts of hemoglobin allosteric effectors, and uses thereof
INVENTOR(S): Nicolau, Yves Claude; Lazarte, Jaime E.; Alford, Dennis R.
PATENT ASSIGNEE(S): GMP Companies, Inc., USA
SOURCE: PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002009723	A2	20020207	WO 2001-US24514	20010801
WO 2002009723	A3	20030717		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2002142995	A1	20021003	US 2001-920310	20010801

PRIORITY APPLN. INFO.: US 2000-222066P P 20000801
OTHER SOURCE(S): MARPAT 136:161364

AB The present invention comprises compds., compns. thereof, and methods capable of delivering a broad range of anionic mols. to the cytoplasm of mammalian cells. In certain embodiments, the present invention relates to compds., compns. thereof, and methods that enhance the ability of mammalian red blood cells to deliver oxygen, by delivering a ligand for the allosteric site of Hb to the cytoplasm of the red blood cells.

IT **396077-50-2**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(ammonium salts of Hb allosteric effectors and therapeutic uses thereof to enhance ability of mammalian red blood cells to deliver oxygen)

RN 396077-50-2 CAPLUS
CN myo-Inositol, hexakis(dihydrogen phosphate), compd. with cyclohexanamine (9CI) (CA INDEX NAME)

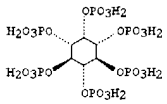
CM 1

CRN 108-91-8
CMF C6 H13 N

CM 2

CRN 83-86-3
CMF C6 H18 O24 P6

Relative stereochemistry.



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COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         8.84      45.45

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                        -0.70      -0.70

FILE 'REGISTRY' ENTERED AT 07:13:19 ON 08 SEP 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:     6 SEP 2004  HIGHEST RN 740796-45-6
DICTIONARY FILE UPDATES:    6 SEP 2004  HIGHEST RN 740796-45-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> d his

     (FILE 'HOME' ENTERED AT 07:07:37 ON 08 SEP 2004)

     FILE 'CAPLUS' ENTERED AT 07:08:32 ON 08 SEP 2004
L1             1 S US20020142995/PN
                 SELECT L1 1 RN

     FILE 'REGISTRY' ENTERED AT 07:09:01 ON 08 SEP 2004
L2            11 S E1-E11
L3            11 S L2 AND CAPLUS/LC

     FILE 'CAPLUS' ENTERED AT 07:09:54 ON 08 SEP 2004
L4        560127 S L3

     FILE 'CAPLUS' ENTERED AT 07:10:06 ON 08 SEP 2004

     FILE 'REGISTRY' ENTERED AT 07:12:26 ON 08 SEP 2004

     FILE 'CAPLUS' ENTERED AT 07:12:27 ON 08 SEP 2004
L5             1 S 396077-50-2/RN

     FILE 'CAPLUS' ENTERED AT 07:12:58 ON 08 SEP 2004
L6             1 S L5
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FILE 'REGISTRY' ENTERED AT 07:13:19 ON 08 SEP 2004

=> s 108-91-8/rn
L7 1 108-91-8/RN

=> s 83-86-3/rn
L8 1 83-86-3/RN

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.26	46.71

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.70

FILE 'CAPLUS' ENTERED AT 07:14:49 ON 08 SEP 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 8 Sep 2004 VOL 141 ISS 11
FILE LAST UPDATED: 7 Sep 2004 (20040907/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> s l7
L9 9648 L7

=> s l8
L10 5456 L8

=> s l9 and l10
L11 2 L9 AND L10

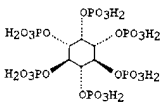
=> d ibib abs hitstr 1-2

L11 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:107354 CAPLUS
DOCUMENT NUMBER: 136:161367
TITLE: Ammonium salts of inositol hexaphosphate and uses thereof
INVENTOR(S): Lehn, Jean-Marie; Nicolau, Yves Claude; Vincent, Stephane P.
PATENT ASSIGNEE(S): GMP Companies, Inc., USA
SOURCE: PCT Int. Appl., 88 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002010177	A1	20020207	WO 2001-US24081	20010801
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002173494	A1	20021121	US 2001-920140	20010801
US 6610702	B2	20030826		

PRIORITY APPLN. INFO.: US 2000-222089P P 20000801
AB The present invention comprises compds., compns. thereof, and methods capable of delivering inositol hexaphosphate (IHP), an allosteric effector of Hb, to the cytoplasm of mammalian cells. In certain embodiments, the present invention relates to compds., compns. thereof, and methods that enhance the ability of mammalian red blood cells to deliver oxygen, by delivering IHP to the cytoplasm of the red blood cells.
IT **83-86-3D**, Inositol hexaphosphate, ammonium salts
RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(ammonium salts of Hb allosteric effector inositol hexaphosphate and therapeutic uses thereof to enhance ability of red blood cells to deliver oxygen)
RN 83-86-3 CAPLUS
CN myo-Inositol, hexakis(dihydrogen phosphate) (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT **108-91-8**, Cyclohexylamine, reactions

L11 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
RL: RCT (Reactant); RACT (Reactant or reagent)
(ammonium salts of Hb allosteric effector inositol hexaphosphate and therapeutic uses thereof to enhance ability of red blood cells to deliver oxygen)
RN 108-91-8 CAPLUS
CN Cyclohexanamine (9CI) (CA INDEX NAME)

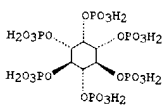
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:107125 CAPLUS
DOCUMENT NUMBER: 136:161364
TITLE: Ammonium salts of hemoglobin allosteric effectors, and uses thereof
INVENTOR(S): Nicolau, Yves Claude; Lazarte, Jaime E.; Alford, Dennis R.
PATENT ASSIGNEE(S): GMP Companies, Inc., USA
SOURCE: PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002009723	A2	20020207	WO 2001-US24514	20010801
WO 2002009723	A3	20030717		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002142995	A1	20021003	US 2001-920310	20010801

PRIORITY APPLN. INFO.: US 2000-222066P P 20000801
OTHER SOURCE(S): MARPAT 136:161364
AB The present invention comprises compds., compns. thereof, and methods capable of delivering a broad range of anionic mols. to the cytoplasm of mammalian cells. In certain embodiments, the present invention relates to compds., compns. thereof, and methods that enhance the ability of mammalian red blood cells to deliver oxygen, by delivering a ligand for the allosteric site of Hb to the cytoplasm of the red blood cells.
IT **83-86-3D**, Inositol hexaphosphate, ammonium salts **108-91-8D**, Cyclohexylamine, complexes with Hb allosteric effectors
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(ammonium salts of Hb allosteric effectors and therapeutic uses thereof to enhance ability of mammalian red blood cells to deliver oxygen)
RN 83-86-3 CAPLUS
CN myo-Inositol, hexakis(dihydrogen phosphate) (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 108-91-8 CAPLUS
CN Cyclohexanamine (9CI) (CA INDEX NAME)

L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.40	57.11

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.40	-2.10

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